Appendix A.

Unlinking the Level_4 requirements will create childless RBR requirements:

DADS1850#A,
DADS2110#A.

DADS RBR requirements with insufficient Level 4 coverage:

DADS1850#A,
DADS1860#A,
DADS2000#A

Table 1. 1 Reference Table (RBR requirements changes).

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text	clar._text
DADS1850#A	4642	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall utilize the configuration management toolkit provided by the SMC.		
DADS1860#A	4643	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall, in conjunction with the SMC, provide configuration management for its internal resources.		
DADS1970#A	4644	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall access from the SMC, via the system database, the product thread information for each standard ~~and quick-look~~ product generated by ~~EOSDIS~~.	Product thread information is available as part of PGE profile.	
DADS1980#A	4645	mission essential	SDPS	~~functional~~ procedural	demo	un-verified	demo	un-verified	Each DADS shall receive from the SMC scheduling directives for system level, site/element-to-site/element, testing, and simulation activities.	Scheduling directives transmitted from SMC in procedural manner (phone, fax, etc.).	
DADS2000#A	4646	mission critical	SDPS	~~functional~~ procedural	demo	un-verified	demo	un-verified	Each DADS shall receive from the SMC scheduling directives in response to ~~emergency situations~~.	Phone, fax or e-mail will be used to receive directives	
~~DADS2020#A~~	~~6160~~	~~mission essential~~	~~SDPS~~	~~functional~~	~~demo~~	~~un-verified~~	~~demo~~		~~Each DADS shall have the capability to receive data availability schedules at a minimum, from:~~ ~~a.~~ ~~c. ADCs~~ ~~e. Other DADS~~ ~~f. TRMM (SDPF)~~	~~APPLIES ONLY TO GSFC DACC AND LARC DAAC; ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH FDOS.~~	
DADS2040#A	4649	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall insure that data sent by	~~A. ONLY THE GSFC AND LARC~~	

									EDOS and SDPF has been received and validated.	~~DAACS WILL INTERFACE WITH EDOS~~ Provide support for SDPF only.	
~~DADS2065#A~~	~~6203~~		SDPS	~~functional~~		~~un-verified~~		~~un-verified~~	~~The DADS shall receive production and expedited science and engineering data from EDOS in a data driven mode.~~	~~No operational capabilities; only acceptance and integration & test~~	~~Release A provides early interface testing for EDOS~~
DADS2090#A	4654	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall reevaluate its schedule ~~after receiving new orders from the IMS~~		
DADS2110#A	4640	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	The DADS shall provide scheduling ~~information to the SMC~~		
DADS2120#A	4447	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	The DADS shall have access to the system wide scheduling information. Such information includes, at a minimum, ESDIS Policies and Procedures regarding instrument and ground event scheduling, other element plans and schedules, element allocations of ground event functions and capabilities, product thread information, and scheduling directives for testing, maintenance, and emergency situations.	A: ~~Manual~~ Access to plans and schedules is a functional part of the requirement, the remaining functionality is procedural.	
DADS2160#A	6426	mission essential	SDPS	functional	demo	un-verified	test	un-verified	Each DADS shall maintain a list/schedule of standing orders.	CERES, LIS A: maintain is provide; standing order is a ~~subscription request~~	
DADS2170#A	6427	mission essential	SDPS	functional	demo	un-verified	test	un-verified	Each DADS shall maintain a list/schedule of retrospective orders.	A: maintain is provide; retrospective order is a ~~data request~~	
DADS2180#A	4451	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall maintain a list/schedule of ~~reprocessed data~~	A: TRMM only.	
DADS2190#A	6428	mission essential	SDPS	functional	demo	un-verified	test	un-verified	Each DADS shall maintain a list of products which could not be delivered electronically ~~(e.g., workstation off-line).~~		
DADS2210#A	4456	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall provide tools for the creation and manipulation of its plans/schedules.	Operator can change request priorities through the GUI	
DADS2220#A	4458	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall provide tools for manually overriding any of its schedules with other elements.	Operator can change request priorities through the GUI	
DADS2270#A	4463	mission critical	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall provide, on a scheduled basis, an off-site backup copy of all EOS data whichwould be impossible or difficult to recover in case of loss (e.g., ancillary data, metadata, command history, algorithms, engineering data, calibration data, systems	A: TRMM only.	

									and applications software, selected data products, depending on need).		
DADS2276#A	4465	mission critical	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall have the capability to restore its archive by storing a backup copy of EOS data or backup copy of information required to regenerate the data.	A: TRMM only.	
DADS2300#A	4467	mission critical	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall provide a capability for local and offsite backup/restore of system files.		
DADS2302#A	4470	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Offsite and local backup media shall be based on published, open, and non-proprietary formats which fully describe the physical organization and structure of files.		

Note: deleting requirement DADS2020#A leaves Level 4 requirements linked to rel. B RBR requirements only. The following table suppose to fix those Level 4 requirements.

Table 1.2 Reference Table (Level 4 requirements changes).

L4 id	object key	rel	req_type	req_status	verification_method	text
S-DSS-00734	3313	A B	functional	approved	demo	The SDSRV CI shall provide the capability to store Data Availability Schedules.
S-DSS-01525	3399	A B	interface	approved	demo	The SDSRV CI shall accept Subscriptions for Data Availability Schedules from the PLANG CI.
S-DSS-20442	3683	A B	functional	approved	demo	The STMGT CI shall provide the capability to archive Data Availability Schedules.
S-DSS-20444	3684	A B	functional	approved	demo	The STMGT CI shall provide the capability to retrieve Data Availability Schedules.

Table 1.3 Reference Table (RBR to Level_4 Links modifications).

RBR_id	req_type	text	interpretation text	L4 id	req_key	rel	req_type	req_status	verification_method	text
DADS1850#A	functional	Each DADS shall utilize the configuration management toolkit provided by the SMC.		S-DSS-00820	3323	A	functional	agreed	demo	The SDSRV CI shall provide a mechanism to control changes to the Configuration Management Data.
DADS1980#A	functional	Each DADS shall receive from the SMC scheduling directives for system level, site/element-to-site/element, testing, and simulation activities.	Scheduling directives transmitted from SMC in procedural manner (phone, fax, etc.)	S-INS-00364	4085	A	functional	approved	demo	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
				S-INS-00369	4088	A	functional	agreed	demo	The INGST CI shall authenticate the User Identifier

										of an application submitting an ingest Cancellation Request.
DADS2040#A	functional	Each DADS shall insure that data sent by EDOS and SDPF has been received and validated.	A: ~~ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS~~ Provide support for SDPF only.	S-INS-00060	4806	IR1	functional	agreed	test	The INGST CI shall report status to the provider of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancies c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Data conversion failure g. Failure to archive data h. Inability to transfer data within the specified time window i. Missing required request information j. Successful archive of the data
~~DADS2110#A~~	functional	The DADS shall provide scheduling information to ~~the SMC.~~		~~S-DSS-00692~~	3303	A	interface	approved	demo	The SDSRV CI shall be capable of receiving data from the DDSRV CI.
				~~S-DSS-00694~~	3304	A	interface	approved	demo	The SDSRV CI shall be capable of receiving data from the STMGT CI.
				~~S-DSS-00696~~	3305	A	interface	approved	demo	The SDSRV CI shall be capable of receiving data from the DDIST CI.

Note: Unlinking the Level_4 requirements will create childless RBR requirements (DADS1850#A, DADS2110#A)which must be fixed by the Rel. A organization.

Table 2: RBR requirements changes

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text	clar._text
DADS1850#A	4642	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall utilize the configuration management toolkit provided by the SMC.		
DADS1860#A	4643	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall, in conjunction with the SMC, provide configuration management for its internal resources.		
DADS1970#A	4644	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall access from the SMC, via the system database, the product thread information for each standard and quick-look product generated by EOSDIS.	Product thread information is available as part of PGE profile.	
DADS1980#A	4645	mission essential	SDPS	functional procedural	demo	un-verified	demo	un-verified	Each DADS shall receive from the SMC scheduling directives for system level, site/element-to-site/element, testing, and simulation activities.	Scheduling directives transmitted from SMC in procedural manner (phone, fax, etc.).	
DADS2000#A	4646	mission critical	SDPS	functional procedural	demo	un-verified	demo	un-verified	Each DADS shall receive from the SMC scheduling directives in response to emergency situations.	Phone, fax or e-mail will be used to receive directives	
DADS2020#A	6160	mission essential	SDPS	functional	demo	un-verified	demo		Each DADS shall have the capability to receive data availability schedules at a minimum, from: a. c. ADCs e. Other DADS f. TRMM (SDPF)	APPLIES ONLY TO GSFC DACC AND LARC DAAC; ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.	
DADS2040#A	4649	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall insure that data sent by EDOS and SDPF has been received and validated.	ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS Provide support for SDPF only.	
DADS2065#A	6203		SDPS	functional		un-verified		un-verified	The DADS shall receive production and expedited science and engineering data from EDOS in a data driven mode.	No operational capabilities; only acceptance and integration & test	Release A provides early interface testing for EDOS
DADS2090#A	4654	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall reevaluate its schedule after receiving new orders from the IMS		

ID	Num								Requirement	Notes	
DADS2110#A	4640	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	The DADS shall provide scheduling information to the SMC.		
DADS2120#A	4447	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	The DADS shall have access to the system wide scheduling information. Such information includes, at a minimum, ESDIS Policies and Procedures regarding instrument and ground event scheduling, other element plans and schedules, element allocations of ground event functions and capabilities, product thread information, and scheduling directives for testing, maintenance, and emergency situations.	A: ~~Manual Access to plans and schedules is a functional part of the requirement, the remaining functionality is procedural.~~	
DADS2160#A	6426	mission essential	SDPS	functional	demo	un-verified	test	un-verified	Each DADS shall maintain a list/schedule of standing orders.	~~CERES, LIS~~ A: maintain is provide; standing order is a ~~subscription request~~	
DADS2170#A	6427	mission essential	SDPS	functional	demo	un-verified	test	un-verified	Each DADS shall maintain a list/schedule of retrospective orders.	A: maintain is provide; retrospective order is a data request	
DADS2180#A	4451	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall maintain a list/schedule of reprocessed data.	A: TRMM only.	
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DADS2220#A	4458	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall provide tools for manually overriding any of its schedules with other elements.	Operator can change request priorities through the GUI.	
DADS2270#A	4463	mission critical	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall provide, on a scheduled basis, an off-site backup copy of all EOS data whichwould be impossible or difficult to recover in case of loss (e.g., ancillary data, metadata, command history, algorithms, engineering data, calibration data, systems and applications software, selected data products, depending on need).	A: TRMM only.	
DADS2276#A	4465	mission critical	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall have the capability to restore its archive by storing a backup copy of EOS data or backup copy of information required to regenerate the data.	A: TRMM only.	
DADS2300#A	4467	mission critical	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall provide a capability for local and offsite backup/restore of system files.		
DADS2302#A	4470	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Offsite and local backup media shall be based on published, open, and non-		

								proprietary formats which fully describe the physical organization and structure of files.		

Table 3: Level 4 requirements changes.

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S-DSS-20442	3683	~~A~~ B	functional	approved	demo	The STMGT CI shall provide the capability to archive Data Availability Schedules.
S-DSS-20444	3684	~~A~~ B	functional	approved	demo	The STMGT CI shall provide the capability to retrieve Data Availability Schedules.

Table 4: RBR to Level_4 Links deletions.

RBR_id	L4 id
~~DADS1850#A~~	~~S-DSS-00820~~
~~DADS1980#A~~	~~S-INS-00364~~
~~DADS1980#A~~	~~S-INS-00369~~
~~DADS2110#A~~	~~S-DSS-00692~~
~~DADS2110#A~~	~~S-DSS-00694~~
~~DADS2110#A~~	~~S-DSS-00696~~

Table 5: RBR to Level_4 Links additions.

RBR_id	L4 id
DADS2040#A	S-INS-00060